| Inde | x of | Claims |  |
|------|------|--------|--|
|      |      |        |  |

| App | lication | No. |
|-----|----------|-----|

10/667,159

Examiner

Eduardo C. Robert

Applicant(s)

GELLMAN ET AL.

Art Unit

3732

| √ | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla         | aim      | Date      |           |              |          |              |  |   | Cl      | aim          |       |              |           | Da              | ate             |          |          |          |          | Cla       | im       |       |          |            | Date      | •  | _                                      |  |           |                 |                |           |
|-------------|----------|-----------|-----------|--------------|----------|--------------|--|---|---------|--------------|-------|--------------|-----------|-----------------|-----------------|----------|----------|----------|----------|-----------|----------|-------|----------|------------|-----------|--|--|--|-----------|-----------------|----------------|-----------|
| -R          | lal      | 10        |           |              |          |              |  |   |         |              |       | <del>-</del> | nai       |                 | 1               |          |          |          |          |           |          |       | _        | la l       |           |  |  |  |           |                 |                |           |
| Final       | Original | 15        |           |              |          |              | l                                      |   |         |              |       | Final        | Original  |                 |                 |          |          |          |          |           |          |       | Final    | Original   |           |  |  |  |           |                 | 1              |           |
|             |          | O         | L         | <u> </u>     | L        | L            | L                                      | L   | ┸       | <u> </u>     |       |              |           |                 | $\perp$         |          | 4        | _        |          | Щ         | _ ::     |       |          |            | _         | _  | 1_                                     |  | Ш         | _               | $\dashv$       |           |
|             | 1        | 1         | 1_        | L            | -        | ⊢            | +                                      | +   |         | <u> </u>     |       |              | 51<br>52  |                 | +               |          | +        |          | +        |           | $\dashv$ | ŀ     |          | 101<br>102 | $\dashv$  | +  | ╀                                      |  | $\vdash$  | +               | $\dashv$       | -         |
|             | 3        | ├         | ╀         | ┢            | ┢        | -            | ╁                                      | ╁   | +       | -            |       |              | 53        | $\vdash$        | $\dashv$        | +        | +        | +        | +        | H         | ⊣∷       | ₽     | -        | 103        | +         | +  | ╁                                      | H                                      | $\vdash$  | $\dashv$        | $\dashv$       | $\dashv$  |
|             | 4        | ┝         | ╁         | <del> </del> | ╁        | ╁╾           | ╁                                      | ╁   | +       | -            |       |              | 54        | $\vdash$        | $\dashv$        | $\dashv$ | +        | ╁        | +        |           | -  -     | ŀ     |          | 104        | $\dashv$  | -  |  | 一                                      | $\vdash$  |                 | $\dashv$       | $\dashv$  |
| $\vdash$    | 5        |           | ╁╴        | $\vdash$     | -        | $\vdash$     | +                                      | 十   | 十       |              |       |              | 55        | $\vdash \vdash$ | _               | 十        | +        | $\top$   | 1-       | ΙT        | 1        | ı     |          | 105        | $\neg$    |  | T                                      | Г                                      | П         | $\Box$          | 寸              | ヿ゙        |
|             | 6        | 1         | $\top$    | 1            |          | 1            | T                                      | T   | 1       |              |       |              | 56        | П               | T               | 寸        |          |          |          |           |          |       |          | 106        |           |  |  |  |           |                 |                |           |
|             | 7        |           |           | Τ.           |          |              |  |   |         |              |       |              | 57        |                 |                 |          |          |          |          |           |          |       |          | 107        |           |  | L                                      |  |           | Ц               | $\dashv$       |           |
|             | 8        |           |           |              | L        |              |  | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | $\perp$ |              |       | ļ            | 58        | $\sqcup$        |                 | $\perp$  |          | _        |          | $\sqcup$  | _[:      |       |          | 108        | _         |  | ↓                                      | <u> </u>                               | $\square$ |                 | $\dashv$       |           |
|             | 9        | L         | 1_        | ╙            | ┖        | ļ_           | <u> </u>                               | 4_  | _       | <u> </u>     |       | <u> </u>     | 59        |                 | $\perp$         | 4        | 4        | +        | -        |           | 4        | -     |          | 109        | _         |  | +                                      | ⊢                                      | $\vdash$  | $\vdash$        | $\dashv$       | $\dashv$  |
| <u> </u>    | 10       | 1         | -         | <u> </u>     | 1        | ļ            | <u> </u>                               | +   | -       | ļ            |       |              | 60        | Н               | -               | +        | -        | +        | +        | ┝┼        | -        | 1     |          | 110        | $\dashv$  |  | +                                      | ├                                      |           | $\vdash$        | $\dashv$       | _         |
|             | 11       | $\vdash$  | ╀         | $\vdash$     | ⊢        | ╀            | +                                      | +   | +-      | ├-           |       |              | 61<br>62  | $\vdash \vdash$ | +               | +        |          | +        | +-       | ┯         | 4        | 1     |          | 111<br>112 | $\dashv$  | +  | +                                      | $\vdash$                               | $\vdash$  | -               | $\dashv$       | $\dashv$  |
|             | 12<br>13 | -         | +         | +            | $\vdash$ | +            | +                                      | +-  | +       | $\vdash$     |       | <u> </u>     | 63        | ╁               | +               | $\dashv$ | ╁        | +        | +        | $\vdash$  | $\dashv$ | 1     | :        | 113        | $\dashv$  | +  | +                                      | t                                      | $\vdash$  | _               | $\dashv$       | $\dashv$  |
| <del></del> | 14       | H         | +-        | ╁            | ╁        | +-           | +                                      | +   | +       | +            |       | _            | 64        | $\vdash$        | $\dashv$        | $\dashv$ | +        | $\dashv$ | +        | $\vdash$  | 1        |       |          | 114        | 1         |  | $\top$                                 |  |           | $\sqcap$        |                | $\exists$ |
|             | 15       | 十         | +         | $\vdash$     | 1        | T            | +                                      | $\dagger$   | +       | T            |       |              | 65        |                 | 十               | Ŧ        | 十        | $\top$   | 1        |           | 7        |       |          | 115        | $\Box$    |  |  |  |           |                 |                |           |
|             | 16       | 十         | T         | 1            | T        | T            | +                                      | †   | 1       |              |       |              | 66        |                 | 丁               |          |          | I        |          |           |          |       |          | 116        |           |  |  |  |           | П               | $\Box$         |           |
|             | 17       | ⇈         | 1         |              | П        | T            | T                                      |   |         |              |       |              | 67        |                 |                 |          |          |          |          |           |          |       |          | 117        |           |  | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u>                               |           | $\sqcup$        | _              | _         |
|             | 18       |           |           |              |          | $\Box$       |  |   |         | L            |       |              | 68        | Ш               | 4               |          |          | 4        | $\perp$  | Ш         | _        |       |          | 118        | _         | _  | _                                      | ـــــ                                  |           | $\sqcup$        | $\dashv$       |           |
|             | 19       |           |           | L            | L        | 1_           |  | _   | $\perp$ | 1            |       |              | 69        |                 | 4               | _        | _        | 4        | -        |           | -1::     |       |          | 119        | $\dashv$  |  | +-                                     | ⊢                                      | Ш         | $\vdash$        | $\dashv$       | $\dashv$  |
|             | 20       | $\perp$   | ↓         | ╄            | ↓.       | ↓_           | ╁                                      | ╁   | ╄       | <u> </u>     |       |              | 70        | $\sqcup$        | $\dashv$        | -        | +        | -        | +-       | $\vdash$  | - ::     |       |          | 120        | -         |  | ╁                                      | ╁                                      | $\vdash$  | $\vdash$        |                | $\dashv$  |
| <u> </u>    | 21       | ┡         | +         | ╀-           | Ļ        | ╁            | ╄                                      | ╀   |         | ╀            |       | <u> </u>     | 71<br>72  | $\square$       | $\dashv$        | -+       | +        | +        | +        | ╁         | -        |       |          | 121<br>122 | $\dashv$  | +  | +                                      | ╁                                      | $\vdash$  | Н               | -              | $\dashv$  |
|             | 22       | ╁         | ╁         | ╀            | $\vdash$ | ╁╴           | ╁                                      | +   | ┿       | ╁            |       |              | 73        | $\vdash$        | +               | $\dashv$ | +        | +        | +        | $\vdash$  | $\dashv$ |       |          | 123        | $\dashv$  | +  | +                                      | +                                      | Н         | $\vdash$        | $\neg$         |           |
|             | 24       | ╁         | ╁         | ╁            | ╁        | +            | +                                      | +   | +       | $\vdash$     | 1     |              | 74        | H               | 十               | +        | +        | $\dashv$ | +-       | $\vdash$  | - :      |       |          | 124        | $\neg$    |  | $\top$                                 | 1                                      | Т         | $\Box$          | $\neg$         | $\neg$    |
|             | 25       | +         | +         | ╁            | 十        | +            | +                                      | $\top$  | ╁       | <u> </u>     | 1     | -            | 75        | $\Box$          | 寸               | 1        | $\top$   | $\dashv$ |          | $\Box$    | 7        |       |          | 125        |           |  | T                                      |  |           |                 |                |           |
|             | 26       | T         | 1 -       | 1            | t        | ╁            | 1                                      | 1   | T       | T            | 1     |              | 76        | П               |                 |          |          | $\Box$   |          |           |          |       |          | 126        |           |  | ١.                                     |  |           |                 |                |           |
|             | 27       |           |           |              | T.       |              |  |   |         |              |       |              | 77        |                 | $\Box$          |          |          | $\Box$   |          | Ш         |          |       |          | 127        | Ш         | _ _  | .↓_                                    | ↓_                                     | ـــــ     | Ш               | $\blacksquare$ |           |
|             | 28       |           |           |              |          |              |  | $\perp$   |         |              |       | <u> </u>     | 78        |                 | $\perp$         |          | _        | _ _      |          | 11        | _        |       |          | 128        | Ш         | _  | +                                      | ▙                                      | ـــــ     | ${oxed}$        | _              | _         |
| <u> </u>    | 29       | 1         | ┺         | ╄            | ↓_       | ╄            | 1                                      | ┺   |         | ļ.,          |       |              | 79        | -               | 4               | $\dashv$ |          | +        | +        | ┷┼        | -        |       |          | 129<br>130 | $\vdash$  |  | ╁                                      | ╀                                      | ├         | $\vdash$        | $\dashv$       |           |
|             | 30       | ╀         | ╄         | ╀            | -        | +            | +                                      | +   | +       | <del> </del> |       |              | 80<br>81  | $\vdash$        | _               | -        | +        | +        |          | ┼┼        | -        |       |          | 131        | Н         | +  | +-                                     | ╁╌                                     | ┢         | $\vdash$        | $\dashv$       | -         |
| -           | 31       | ╀         | ╁         | ╄            | ╁        | ┿            | ╀                                      | ╁   | +       | ╁            | 1     |              | 82        | Н               | $\dashv$        | +        | $\dashv$ | +        | +        | $\vdash$  | $\dashv$ |       |          | 132        | $\vdash$  | -  | 十                                      | $\vdash$                               | ╁╾        | H               | $\dashv$       | $\neg$    |
| <u> </u>    | 32<br>33 | +         | +         | +            | +        | +            | +                                      | +-  | +       | +            |       | $\vdash$     | 83        | Н               | +               | 十        | +        | +        | +        | 1 +       | -        |       |          | 133        | H         | $\dashv$   | +                                      | $\vdash$                               | T         | $\sqcap$        | $\neg$         |           |
| <b>—</b>    | 34       | +         | +         | t            | t        | †-           | T                                      | $\top$  | +-      | +            |       | $\vdash$     | 84        | T               | $\exists$       | 一        | 十        | $\top$   | 1        | $\Box$    |          |       |          | 134        |           |  |  |  |           |                 |                |           |
|             | 35       | T         | 1         | $\dagger$    | T        | Ť            | 1                                      | 1   | 1       | 1            | ]     |              | 85        |                 |                 |          |          |          |          |           |          |       |          | 135        | Ш         |  |  |  |           | П               |                |           |
|             | 36       |           | $\perp$   | Ι            | L        | I            |  | L   |         | L            |       |              | 86        |                 | $\Box$          | $\Box$   | Ţ        | $\Box$   |          | $\sqcup$  | _]       |       |          | 136        | Ш         |  | $\perp$                                |  | ـــ       | Щ               | Щ              |           |
|             | 37       |           | L         | $oxed{\Box}$ |          | $oxed{\Box}$ |  | L   |         | $\perp$      |       |              | 87        | Ш               | _               | $\dashv$ | -        | $\perp$  | $\perp$  | $\sqcup$  | _        |       |          | 137        | $\square$ |  | +                                      | ╁                                      | $\vdash$  | $\vdash \vdash$ | Н              |           |
|             | 38       | 1         | _         | $\perp$      | $\perp$  | $\downarrow$ | -                                      | 1   | +       | 1            | :::   | <u> </u>     | 88        | $\vdash$        | _               | $\dashv$ | +        | $\perp$  | +        | $\vdash$  | -        |       |          | 138        | $\vdash$  | $\dashv$   | +                                      | ₩                                      | $\vdash$  | $\vdash$        |                | _         |
|             | 39       | $\perp$   | +         | ╁.           | +        | +            | +-                                     | +   | +       | +            | 1     | <u> </u>     | 89<br>90  | $\vdash$        | $\dashv$        | $\dashv$ | +        | +        | +        | +         | -        |       |          | 139<br>140 |           |  | +                                      | +                                      | $\vdash$  | $\vdash$        |                | _         |
| L           | 40       | +         | +         | $\vdash$     | +        | +            | +                                      | +   | -1      | +            | -     | <del></del>  | 91        | ╁╌              |                 | $\dashv$ | +        | +        | +-       | +         | -        |       | -        | 141        | $\vdash$  | -+   | +                                      | +                                      | +         | $\vdash$        | $\vdash$       | -         |
|             | 41       | +         | +         | +-           | +        | ╁            | +                                      | +   | +       | +            | 1     | -            | 92        | +-              | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | ++        | $\dashv$ |       |          | 142        | ┥         |  | $\top$                                 | $\top$                                 | $\top$    | Н               |                |           |
| -           | 43       | Ť         | +         | +            | 十        | +            | +                                      | ╁   | +       | +            | 1     |              | 93        | T               | $\vdash$        | $\dashv$ | $\dashv$ | $\top$   | $\vdash$ | $\dagger$ | $\dashv$ |       |          | 143        | П         |  | T                                      | $\top$                                 | $\top$    | П               |                |           |
|             | 44       | $\dagger$ | $\dagger$ | t            | T        | †            | T                                      | 1   | $\top$  |              | 1     |              | 94        |                 |                 | ╗        | $\Box$ † |          |          |           |          |       |          | 144        |           |  | $\perp$                                |  |           |                 | $\Box$         |           |
|             | 45       | Ť         | T         | T            | İ        | I            | I                                      | $\perp$   |         |              | ]     |              | 95        |                 |                 |          |          |          |          |           |          |       |          | 145        |           |  | I                                      | $\Box$                                 |           | $\Box$          |                |           |
|             | 46       | L         | $\perp$   | Γ            | I        | Ι            | $oxed{\Box}$                           |   |         |              | :::   |              | 96        | oxdot           |                 |          | $\bot$   |          |          | $\sqcup$  | _        |       |          | 146        | Ш         |  | $\perp$                                | ╁                                      | $\vdash$  | $\sqcup$        | <u>—</u>       | L         |
|             | 47       | L         |           | 1            | 1        | $\perp$      | $\perp$                                | $\perp$   |         | 1            | 1     | <u> </u>     | 97        | $\vdash$        | $\sqcup$        | _        | 4        | 4        | _ _      | $\sqcup$  | _        |       | <u> </u> | 147        | Щ         | <del>                                     </del> | +                                      | +                                      | $\vdash$  | $\vdash$        | $\vdash$       | -         |
| <u> </u>    | 48       |           | +         | +            | +        | 1            | +                                      | 4   | 4       | +            | 4     | <u> </u>     | 98        | 1               | $\vdash \vdash$ | -        | $\dashv$ | -        | +-       | +         | $\dashv$ |       | ļ. —     | 148        | $\vdash$  | $\vdash \vdash$                                  | +                                      | +                                      | ╁         | H               | -              |           |
| <u> </u>    | 49       | +         | -         | +            | +        | +            | +                                      | +   | +       | +            | -     | <u> </u>     | 99<br>100 | $\vdash$        | $\vdash \vdash$ |          | +        | -        | +-       | ++        |          |       |          | 149<br>150 | $\vdash$  | $\vdash$   | +-                                     | +                                      | +         | $\vdash$        | $\vdash$       | $\vdash$  |
|             | 50       |           |           | 丄            | 上        | ┸            | _ـــــــــــــــــــــــــــــــــــــ |   |         | 1            | ]:::: |              | 100       |                 | ш               |          |          |          |          |           | :لـــ    | ····i | L        | 1 100      | <b>I</b>  | $oldsymbol{oldsymbol{\sqcup}}$                   |  | ــــــــــــــــــــــــــــــــــــــ |           |                 |                |           |